

CONTRIBUTIONS TO THE BRYOPHYTE FLORA OF TURKEY: IV

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This paper summarizes the very extensive collections of bryophytes made by my colleagues Dr. P. H. Davis and Mr. I. C. Hedge in the spring and summer of 1957. It also includes a few records of collections made by Mr. F. Merton from the neighbourhood of Ankara. No comments are included here on the significance of any of these collections: this will be dealt with in the next paper which summarizes published information on the bryophyte flora of Turkey.

Sphagnum teres (Schimp.) Ångstr.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul (igneous), 1600 m., boggy places in peaty pasture, 11 Aug. 1957, Davis & Hedge (D.32254).

Sphagnum squarrosum Pers. ex Crome

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 1750 m., by little lake, with *Drosera rotundifolia*, 23 June 1957, Davis & Hedge (D.29962).

Polytrichum alpinum Hedw.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404f).

Polytrichum gracile Sm.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul, 2200 m., igneous rocks, 12 Aug. 1957, Davis & Hedge (D.32263b).

Polytrichum formosum Hedw.

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 1700 m., *Rhododendron-Picea* forest, 23 June 1957, Davis & Hedge (D.29963a); Yalnızçam Dağları, on west side of pass between Ardahan and Artvin, 2400 m., igneous rocks, 19 Aug. 1957, Davis & Hedge (D.32535d).

Ditrichum flexicaule (Schleich.) Hampe

PROV. ANKARA: Ankara Baraj, in crevices among rocks of volcanic tuff, 7 Apr. 1958, Merton 37.

Distichium capillaceum (Hedw.) B.S.G.

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 2300 m., shady igneous rocks, 23 June 1957, Davis & Hedge (D.29959c); dist. Ardanuç: Kordevan Dağ, 2800 m., igneous rocks, 28 June 1957, Davis & Hedge (D.30406b); Yalnızçam Dağları, on west side of pass between Ardahan and Artvin, 2400 m., igneous rocks, 19 Aug. 1957, Davis & Hedge (D.32535g).

Ceratodon purpureus (Hedw.) Brid.

PROV. MARDIN: Mardin Castle, 1200 m., limestone rocks, 20 May 1957, Davis & Hedge (D.28354f).

PROV. ANKARA: Ankara Baraj, on wet volcanic tuff, 12 Apr. 1958, Merton 97.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.304051).

Dicranella heteromalla (Hedw.) Schimp.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., *Picea* forest, 28 June 1957, (D.304051); *ibid.* 2800 m., igneous rocks, Davis & Hedge (D.30406c).

Dicranoweissia crispula (Hedw.) Lindb.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404a); Yalnızçam Dağları on west side of pass between Ardahan and Artvin, 2400 m., igneous rocks, 19 Aug. 1957, Davis & Hedge (D.32535b).

Dicranum majus Turn.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on the ground in beech forest (metamorphic substrate), 19 Apr. 1957, Davis & Hedge (D.26820g).

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 1700 m., *Rhododendron-Picea* forest, 23 June 1957, Davis & Hedge (D.29963b); Yalnızçam Dağları, on west side of pass between Ardahan and Artvin, 2400 m., igneous rocks, 19 Aug. 1957, Davis & Hedge (D.32535e).

Dicranum scoparium Hedw.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404c); *ibid.* (D.30405d).

Paraleucobryum longifolium (Hedw.) Loeske

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul, 2200 m., igneous rocks, 12 Aug. 1957, Davis & Hedge (D.32263a).

Leucobryum glaucum (Hedw.) Schimp.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul, 1300 m., on ground, mixed *Picea* forest on igneous rocks, 10 Aug. 1957, Davis & Hedge (D.32212).

Encalypta vulgaris Hedw.

PROV. ADANA, dist. Saimbeyli (Antitaurus); Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D.26645d).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405e).

Tortula ruralis (Hedw.) Crome

PROV. MERSIN: Findikpinari above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D.26477b); *ibid.* (D.26480a).

PROV. ADANA, dist. Pozanti: Bürcük, 1300 m., on limestone rocks, 3 Apr. 1957, Davis & Hedge (D.26328); *ibid.* (D.26329); dist. Bahçe (N. Amanus): between Haruniye and Fevzipaşa, 700 m., limestone rocks in maquis, 18 Apr. 1957, Davis & Hedge (D.26767).

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluk, 1000–1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050h); *ibid.* 1400 m., summit igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27052).

PROV. MARAŞ: Elbistan, 1100 m., north limestone rocks, 6 May 1957, Davis & Hedge (D.27658b).

PROV. MALATYA: Mt. above Resadiye, between Doğanşehir and Pazarcık, 1400 m., on dry limestone boulders, 10 May 1957, Davis & Hedge (D.27752c).

PROV. URFA: 5 km. west of Urfa, 800 m., limestone cliffs, 17 May 1957, Davis & Hedge (D.28176b).

PROV. MARDIN: 5 km. east of Mardin, 1200 m., north limestone cliff, 25 May 1957, Davis & Hedge (D.28742b).

Tortula intermedia (Brid.) Berk.

PROV. ADANA, dist. Pozanti: Bürcük, 1300 m., on limestone rocks, 3 Apr. 1957, Davis & Hedge (D.26324); dist. Saimbeyli (Antitaurus): Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D.26645h); dist. Bahçe between Haruniye and Fevzipaşa, 500 m., limestone rocks in maquis, 18 Apr. 1957, Davis & Hedge (D.26765d).

PROV. HATAY dist. Belen (Amanus): Karlick Tepe above Soğuk Oluk, 800–1000 m., limestone rocks, 24 Apr. 1957, Davis & Hedge (D.27051b); dist. Antakya (Amanus): Antakya—Yayladağ, 1000 m., limestone rocks in *Quercus coccifera* maquis, 28 Apr. 1957, Davis & Hedge (D.27156a).

PROV. MARAŞ: Koyunoluk Dağ between Maraş and Göksun, 1200–1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418b); Elbistan, 1100 m., north limestone rocks, 6 May 1957, Davis & Hedge (D. 27658c).

PROV. MARDIN: Mardin castle, 1200 m., limestone rocks, 20 May 1957, Davis & Hedge (D.28354c); Mardin—Savur, 1000 m., limestone rocks, 24 May 1957, Davis & Hedge (D.28741); 5 km. east of Mardin, 1200 m., north limestone cliff, 25 May 1957, Davis & Hedge (D.28742a).

PROV. KARS: south-west side of Kısır Dağ, between Kars & Ardahan, 2200 m., volcanic rocks, 16 June 1957, Davis & Hedge (D. 29646d).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405g).

Tortula princeps De Not.

PROV. URFA, dist. Siverek: Karacadağ, 1200 m., basalt rocks, 19 May 1957, Davis & Hedge (D.28352a).

Tortula subulata Hedw.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 700–800 m., metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D.26827g).

Tortula muralis Hedw.

PROV. ADANA, dist. Bahçe: between Haruniye and Fevziipaşa, 500 m., limestone rocks in maquis, 18 Apr. 1957, Davis & Hedge (D.26765g).

PROV. HATAY, dist. Belen (Amanus): Belen, 450 m., shady metamorphic rocks, 23 Apr. 1957, Davis & Hedge (D.27032a).

PROV. MARDIN: Mardin castle, 1200 m., limestone rocks, 20 May 1957, Davis & Hedge (D.28354a).

Tortula obtusifolia Schleich.

PROV. HATAY, dist. Belen (Amanus): Belen, 450 m., shady metamorphic rocks, 23 Apr. 1957, Davis & Hedge (D.27032c).

Tortula papillosum (Copp.) Broth.

PROV. ADANA, dist. Bahçe (N. Amanus): between Haruniye and Fevziipaşa, 1150 m., rocks near top of pass, 18 Apr. 1957, Davis & Hedge (D.26766d).

Crossidium squamigerum (Viv.) Jur. var. **pottioideum** (De Not.) Moenk.

PROV. ANKARA: Ankara Baraj, in crevices of volcanic tuff, 12 Apr. 1958, Merton 100.

Barbula vinealis Brid.

PROV. ADANA, dist. Saimbeyli (Antitaurus): Hımmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D.26645b).

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D.27157g).

PROV. MARDIN: Mardin castle, 1200 m., limestone rocks, 20 May 1957, Davis & Hedge (D.28354d).

PROV. ANKARA: Ankara Baraj, crevices of rock of volcanic tuff, 7 Apr. 1958, Merton 45.

Tortella tortuosa (Hedw.) Limpr.

PROV. MERSIN: Fındıkpinarı above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D.26477a); *ibid.* (D.26479) and (D.26480d).

PROV. ADANA, dist. Bahçe: between Haruniye and Fevziipaşa, 500 m., limestone rocks in maquis, 18 Apr. 1957, Davis & Hedge (D.26765a); dist. Osmaniye: Toprakkale, 80 m., shady basalt rocks in ravine, 20 Apr. 1957, Davis & Hedge (D.26896b).

PROV. MARAŞ: Koyunoluk Dağ between Maraş and Göksun, 1200–1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418i).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütil yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404e); Kordevan Dağ, 2800 m., igneous rocks, 28 June 1957, Davis & Hedge (D.30406a).

Tortella nitida (Lindb.) Broth.

PROV. MARAŞ: 10 km. south of Maraş, 550 m., limestone rocks in oak scrub, 1 May 1957, Davis & Hedge (D. 27329g).

Trichostomum crispulum Bruch

PROV. ADANA, dist. Saimbeyli (Antitaurus): Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D. 26645a).

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D. 27157f).

Trichostomum brachydontium Bruch

PROV. HATAY, dist. Belen (Amanus): Soğuk Oluk, 700 m., on ground (metamorphic substrate), in open *Pinus brutia* forest, on north slopes, 23 Apr. 1957, Davis & Hedge (D. 27033b).

PROV. MARAŞ: Koyunoluk Dağ between Maraş and Göksun, 1200–1300 m., on ground in *Pinus nigra* forest, 4 May 1957, Davis & Hedge (D. 27417b).

PROV. ANKARA: Ankara Baraj, on soil by a seep, 7 Apr. 1958, Merton 86.

Timmiella barbuloides (Brid.) Moenck.

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D. 27157d).

Timmiella anomala (B.S.G.) Limpr.

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluk, 1000–1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D. 27050e).

Weissia microstoma (Hedw.) C.M.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1200 m., in deep ravine dominated by beech, on metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D. 26821l); *ibid.* 800 m., banks, 19 Apr. 1957, Davis & Hedge (D. 26824b).

Weissia cf. W. rupestris C. Müll.

PROV. MERSIN: Fındıkpinarı above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D. 26477c).

Grimmia apocarpa Hedw.

PROV. MERSIN: Külek Bogazi, 1000 m., dry limestone rocks, 4 Apr. 1957, Davis & Hedge (D. 26373).

PROV. ADANA, dist. Saimbeyli (Antitaurus): Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D. 26645f); dist. Bahçe: between Haruniye and Fevzipaşa, 500 m., limestone rocks in maquis, 18 Apr. 1957, Davis & Hedge (D. 26765e); *ibid.* 1150 m., rocks near top of pass, 18 Apr. 1957, Davis & Hedge (D. 26766).

PROV. HATAY, dist. Belen (Amanus): Belen, 450 m., shady metamorphic rocks, 23 Apr. 1957, Davis & Hedge (D. 27032d); Karlik Tepe above Soğuk Oluk, 800–1000 m., limestone rocks, 24 Apr. 1957, Davis & Hedge (D. 27051c).

PROV. MALATYA: Erkenek, between Doğanşehir and Pazarcık, 1200 m., shady limestone rocks in gorge, 10 May 1957, Davis & Hedge (D.27751b).
 PROV. MARAŞ: Koyunoluk Dağ between Maraş and Göksun, 1200-1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418k).

Grimmia anodon B. S. G.

PROV. MARAŞ: Elbistan, 1100 m., north limestone rocks, 6 May 1957, Davis & Hedge (D.27638d).

Grimmia commutata Hüben.

PROV. MALATYA: Mt. above Resadiye, between Doğanşehir and Pazarcık, 1400 m., on dry limestone boulders, 10 May 1957, Davis & Hedge (D.27752a).

PROV. URFA, dist. Siverek: Karacadağ, 1200 m., basalt rocks, 19 May 1957, Davis & Hedge (D.28352c).

PROV. DIYARBAKIR: Diyarbakir, 650 m., on basalt boulders, 31 May 1957, Davis & Hedge (D.28793).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405k).

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluk, 1000-1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050m).

Grimmia laevigata (Brid.) Brid.

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluk, 800-1000 m., limestone rocks, 24 Apr. 1957, Davis & Hedge (D.27051f); *ibid.* 1000-1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050b).

PROV. ADANA, dist. Bahçe (N. Amanus); Dumanlı Dağ above Haruniye, 700-800m., metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D.26827d); dist. Osmaniye: Toprakkale, 80 m., sunny basalt rocks, 20 Apr. 1957, Davis & Hedge (D.26897).

Grimmia alpestris Schleich.

PROV. TRABZON: Soğanlı Dağ, on the pass, 2400 m., dry igneous rocks, 4 Aug. 1957, Davis & Hedge (D.32200).

Grimmia ovalis (Hedw.) Lindb.

PROV. HATAY, dist. Belen (Amanus): Belen, 450 m., shady metamorphic rocks, 23 Apr. 1957, Davis & Hedge (D. 27032b).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., dry igneous rocks, 28 June 1957, Davis & Hedge (D.30403).

Grimmia elongata Kaulf.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul, 2200 m., igneous rocks, 12 Aug. 1957, Davis & Hedge (D.32263e).

Grimmia pulvinata (Hedw.) Sm.

PROV. ISTANBUL: Burgaz Ada (Antigoni), 30 m., on metamorphic rocks, 24 Mar. 1957, Davis & Hedge (D.26205).

PROV. MERSIN: Findikpinari above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D.26482).

PROV. ADANA, dist. Bahçe (N. Amanus): between Haruniye and Fevzi-paşa, 1150 m., rocks near top of pass, 18 Apr. 1957, Davis & Hedge (D.26766b).

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluk, 800–1000 m., limestone rocks, 24 Apr. 1957, Davis & Hedge (D.27051d); *ibid.* 1000–1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050j); dist. Antakya (Amanus): Antakya—Yayladağı, 1000 m., limestone rocks in *Quercus coccifera* maquis, 28 Apr. 1957, Davis & Hedge (D.27156c).

PROV. MARAŞ: 10 km. south of Maraş, 550 m., limestone rocks in oak scrub, 1 May 1957, Davis & Hedge (D.27329b); Elbistan, 1100 m., north limestone rocks, 6 May 1957, Davis & Hedge (D.27658c); Koyunoluk Dağ between Maraş and Göksun, 1200–1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418e).

PROV. URFİA: 5 km. west of Urfa, 800 m., limestone cliffs, 17 May 1957, Davis & Hedge (D.28176d).

PROV. GÜMÜŞANE/TRABZON: Soğanlı Dağ pass, 2400 m., igneous rocks, 4 Aug. 1957, Davis & Hedge (D.32655).

Grimmia orbicularis Bruch

PROV. ADANA, dist. Saimbeyli (Antitaurus): Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D.26645g).

Grimmia funalis (Schwaegr.) Schimp.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ, 2800 m., igneous rocks, 28 June 1957, Davis & Hedge (30406e); Şavval Tepe above Murgul, 2900 m., summit igneous rocks, 12 Aug. 1957, Davis & Hedge (D.32330).

Grimmia trichophylla Grev.

PROV. MERSİN: Findikpinari above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D.26480c).

PROV. ADANA, dist. Saimbeyli (Antitaurus): Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D.26645i); dist. Bahçe (N. Amanus): Dumanlı Dağ, Haruniye, 1200 m., in deep ravine dominated by beech, on metamorphic rocks, 19 Apr. 1957, Davis & Hedge (26821k); *ibid.* 800 m., banks, 19 Apr. 1957, Davis & Hedge (D.26824c); *ibid.* 700–800 m., metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D.26827e); dist. Osmaniye: Toprakkale, 80 m., shady basalt rocks in ravine, 20 Apr. 1957, Davis & Hedge (D.26896c).

PROV. URFİA: 5 km. west of Urfa, 800 m., limestone cliffs, 17 May 1957, Davis & Hedge (D.28176c).

PROV. MARDİN: 5 km. east of Mardin, 1200 m., north limestone cliff, 25 May 1957, Davis & Hedge (D.28742d).

Grimmia hartmanii Schimp.

PROV. ADANA, dist. Bahçe (N. Amanus): between Haruniye and Fevzi-paşa, 1150 m., rocks near top of pass, 18 Apr. 1957, Davis & Hedge (D.26766g).

Grimmia elatior Bruch

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ, Haruniye, 1200 m., in deep ravine dominated by beech, on metamorphic rocks, 19 Apr. 1957, Davis & Hedge (26821e).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ, 2800 m., igneous rocks, 28 June 1957, Davis & Hedge (D.30406d).

Grimmia decipiens (Schultz) Lindb.

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluk, 1000-1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.270501).

Grimmia tergestina Tomm.

PROV. URFA, dist. Siverek: Karacadağ, 1200 m., basalt rocks, 19 May 1957, Davis & Hedge (D.28352f).

PROV. MALATYA: Mt. above Resadiye, between Doganşehir and Pazarcık, 1400 m., on dry limestone boulders, 10 May 1957, Davis & Hedge (D. 27752b).

PROV. MARAŞ: 10 km. south of Maraş, 350 m., limestone rocks in oak scrub, 1 May 1957, Davis & Hedge (D.27329c).

Rhacomitrium heterostichum (Hedw.) Brid.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul, 2200 m., igneous rocks, 12 Aug. 1957, Davis & Hedge (D.32263d).

Rhacomitrium canescens Brid.

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 2150 m., igneous rocks, 23 June 1957, Davis & Hedge (D.29961).

Pohlia cruda Lindb.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul, 2200 m., igneous rocks, 12 Aug. 1957, Davis & Hedge (D.32263c).

Bryum turbinatum (Hedw.) Sm.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1200 m., edge of spring, 19 Apr. 1957, Davis & Hedge (D.26823b).

PROV. ANKARA: Ankara Baraj, in crevices of rocks, volcanic tuff, 12 Apr. 1958, Merton 80.

Byrum schleicheri Schwaegr.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütil yayla, 2000 m., *Picea* forest, 28 May 1957, Davis & Hedge (D.30405j).

PROV. KARS: Yağmurlu Dağ (Sarıkamiş—Karaurgan), 2300 m., water meadow, 7 July 1957, Davis & Hedge (D.30833).

Bryum funckii Schwaegr.

PROV. ANKARA: Ankara Baraj, on volcanic tuff, 7 Apr. 1958, Merton 96.

Bryum caespiticium Hedw.

PROV. MARAS: Koyunoluk Dağ between Maraş and Göksun, 1200–1300 m., on ground in *Pinus nigra* forest, 4 May 1957, Davis & Hedge (D.27417a).

Bryum caespiticium var. *kunzei* (Hornsch.) Braithw.

PROV. ADANA, dist. Pozanti: Bürcük, 1300 m., on limestone rocks, 3 Apr. 1957, Davis & Hedge (D.26325b).

Bryum argenteum Hedw.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 600 m., dry soil under rocks, 19 Apr. 1957, Davis & Hedge (D.26829).

Bryum capillare Hedw.

PROV. ADANA, dist. Pozanti: Bürcük, 1300 m., on limestone rocks, 3 Apr. 1957, Davis & Hedge (D.26323).

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D.27157i).

PROV. MARAŞ: Koyunoluk Dağ between Maraş and Göksun, 1200–1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418e).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütüllü yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404d).

PROV. TUNCELİ: Munzur Dağ above Ovacık, 2400 m., by rivulet, 19 July 1957, Davis & Hedge (D.31429).

PROV. ANKARA: Ankara Baraj, on earth bank, 12 Apr. 1958, Merton 104.

Bryum capillare Hedw. var. *torquescens* (B.S.G.) Husn.

PROV. HATAY, dist. Belen (Amanus): Soğuk Oluk, 700 m., on ground (metamorphic substrate), in open *Pinus brutia* forest, north slopes, 23 Apr. 1957, Davis & Hedge (D.27033a).

Mnium hornum Hedw.

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 2300 m., shady igneous rocks, 23 June 1957, Davis & Hedge (D.29959b).

Mnium longirostrum Brid.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1200 m., edge of spring, 19 Apr. 1957, Davis & Hedge (D.26823a); *ibid.* 800 m., moist banks, 19 Apr. 1957, Davis & Hedge (D.26825).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütüllü yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405n).

Mnium affine Bland.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul, 1500 m., rotting log by pool, 10 Aug. 1957, Davis & Hedge (D.32205b).

Bartramia pomiformis Hedw.

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 2300 m., shady igneous rocks, 23 June 1957, Davis & Hedge (D.29959a).

Bartramia stricta Brid.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 700-800 m., metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D.26827f); dist. Osmaniye: Toprakkale, 80 m., shady basalt rocks in ravine, 20 Apr. 1957, Davis & Hedge (D.26896a).

PROV. URFA, dist. Siverek: Karacadağ, 1200 m., basalt rocks, 19 May 1957, Davis & Hedge (D.28352e).

Amphidium mougeotii (B.S.G.) Schimp.

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 2300 m., shady igneous rocks, 23 June 1957, Davis & Hedge (D.29960).

Orthotrichum rupestre Schleich.

PROV. ADANA, dist. Bahçe (N. Amanus): between Haruniye and Fevzi Paşa, 1150 m., rocks near top of pass, 18 Apr. 1957, Davis & Hedge (D.26766h).

PROV. KARS: south-west side of Kisir Dağ, between Kars and Ardahan, 2200 m., volcanic rocks, 16 June 1957, Davis & Hedge (D.29646c).

Orthotrichum anomalum Hedw.

PROV. ADANA, dist. Bahçe (N. Amanus): between Haruniye and Fevzi Paşa, 500 m., limestone rocks in maquis, 18 Apr. 1957, Davis & Hedge (D.26765c); Dumanlı Dağ, Haruniye, 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D.26821j).

PROV. MARAŞ: Koyunoluk Dağ between Maraş, and Göksun, 1200-1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418a).

Orthotrichum anomalum Hedw. var. *saxatile* (Wood) Milde

PROV. URFA, dist. Siverek: Karacadağ, 1200 m., basalt rocks, 19 May 1957, Davis & Hedge (D.28352b).

Orthotrichum cupulatum Brid.

PROV. MARDIN: Mardin Castle, 1200 m., limestone rocks, 20 May 1957, Davis & Hedge (D.28354b).

PROV. MARAŞ: Elbistan, 1100 m., north limestone rocks, 6 May 1957, Davis & Hedge (D.27658c).

Orthotrichum leiocarpum B.S.G.

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluğ, 1000-1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050f).

Orthotrichum urnigerum Myr.

PROV. MALATYA: Erkenek, between Doğanşehir and Pazarcık, 1200 m., shady limestone rocks in gorge, 10 May 1957, Davis & Hedge (D.27751a).

Fontinalis antipyretica Hedw.

PROV. KARS: Haçuvan, 1800 m., in stream, 20 Aug. 1957, Davis & Hedge (D.32569).

***Hedwigia ciliata* (Hedw.) Beauv.**

PROV. KARS: south-west side of Kisir Dağ, between Kars and Ardahan, 2200 m., volcanic rocks, 16 June 1957, Davis & Hedge (D.29646a).

***Leucodon sciuroides* (Hedw.) Schwaegr.**

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on beech trunks, 19 Apr. 1957, Davis & Hedge (D.26819).

***Leucodon sciuroides* var. *morensis* (Schwaegr.) De Not.**

PROV. MERSIN: Fındıkpinarı above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D.26479b).

PROV. ADANA, dist. Bahçe (N. Amanus): between Haruniye and Fevziipaşa, 1150 m., rocks near top of pass, 18 Apr. 1957, Davis & Hedge (D.26766a); Dumanlı Dağ, Haruniye, 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D.26821g).

PROV. HATAY, dist. Belen (Amanus): Karlık Tepe above Soğuk Oluk, 800–1000 m., limestone rocks, 24 Apr. 1957, Davis & Hedge (D.27051a).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kördevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405e).

***Pterogonium gracile* (Hedw.) Sm.**

PROV. ADANA, dist. Saimbeyli (Antitaurus): Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D.26645e); dist. Bahçe (N. Amanus): Dumanlı Dağ, Haruniye, 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D.26821d).

***Leptodon smithii* (Hedw.) Mohr**

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ, Haruniye, 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D.26821i).

***Neckera crispa* Hedw.**

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ, Haruniye, 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D. 26821b).

***Neckera complanata* (Hedw.) Hüben.**

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1000 m., *Ostrya* woods on banks, 19 Apr. 1957, Davis & Hedge (D.26828).

***Neckera menziesii* Hook.**

PROV. MERSIN: Fındıkpinarı above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D.26475); *ibid.* (D.26476).

PROV. HATAY, dist. Antakya (Amanus): Antakya—Yayladağ, 1000 m., limestone rocks in *Quercus coccifera* maquis, 28 Apr. 1957, Davis & Hedge (D. 27156f).

***Hookeria lucens* (Hedw.) Sm.**

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul (igneous), 1300 m., mixed *Picea* forest, 10 Aug. 1957, Davis & Hedge (D.32211).

Lescuraea mutabilis (Brid.) Lindb. var. **saxicola** (B.S.G.) Hagen
 PROV. ADANA, dist. Bahçe, (N. Amanus): between Haruniye and Fevzi-paşa, 1150 m., rocks near top of pass, 18 Apr. 1957, Davis & Hedge (D.26766e), *ibid.* 500 m., limestone rocks in maquis, 18 Apr. 1957, Davis & Hedge (D.26765b); dist. Osmaniye: Toprakkale, 80 m., shady basalt rocks in ravine, 20 Apr. 1957, Davis & Hedge (D.26896f).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404b); Yalnızçam Dağları, on west side of pass between Ardahan and Artvin, igneous rocks, 2400 m., 19 Aug. 1957, Davis & Hedge (D.32535a).

Lescuraea saviana (De Not.) Lawton

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404j).

Pseudoleskea incurvata (Hedw.) Dixon

PROV. HATAY, dist. Antakya (Amanus): Antakya—Yayladağı, 1000 m., limestone rocks in *Quercus coccifera* maquis, 28 Apr. 1957, Davis & Hedge (27156e); Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D.27157e).

Thuidium tamariscinum (Hedw.) B.S.G.

PROV. ÇORUH (Artvin): Şavval Tepe above Murgul (igneous), 1500 m., rotting log by pool, 10 Aug. 1957, Davis & Hedge (D. 32205a).

Thuidium delicatulum (Hedw.) Mitt.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on the ground in beech forest (metamorphic substrate), 19 Apr. 1957, Davis & Hedge (D.26820a).

Hygroamblystegium tenax (Hedw.) Jennings

PROV. TUNCELI: Munzur Dağ above Ovacık, 2400 m., by rivulet, 19 July 1957, Davis & Hedge (D.31430).

Amblystegium serpens (Hedw.) B.S.G.

PROV. ANKARA: Ankara Baraj, on volcanic tuff soil under firs, 7 Apr. 1958, Merton 71 and 106.

Drepanocladus vernicosus (Lindb.) Warnst.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D. 30405c).

Drepanocladus uncinatus (Hedw.) Warnst.

PROV. ÇORUH (Artvin): Yalnızçam Dağları, on west side of pass between Ardahan and Artvin, 2400 m., igneous rocks, 19 Aug. 1957, Davis & Hedge (D. 32535f).

Isothecium myurum (Brid.) Brid.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on the ground in beech forest (metamorphic substrate), 19 Apr. 1957, Davis & Hedge (D.26820f).

Camptothecium sericeum (Hedw.) Kindb.

PROV. MERSIN: Fındıkpinarı above Mersin, 1200 m., limestone rocks, 7 Apr. 1957, Davis & Hedge (D.26475a); *ibid.* (D.26481).

PROV. ADANA, dist. Saimbeyli (Antitaurus): Himmetli, 600 m., on metamorphic rocks, 12 Apr. 1957, Davis & Hedge (D.26645c); Dumanlı Dağ, Haruniye, 1200 m., in deep ravine dominated by beech, on metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D.26821a); Dumanlı Dağ above Haruniye, 800 m., banks, 19 Apr. 1957, Davis & Hedge (D.26824d).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kördevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.26766f).

PROV. HATAY, dist. Belen (Amanus): Karlık Tepe above Soğuk Oluk, 1000–1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050b); dist. Antakya (Amanus): Antakya—Yayladağı, 1000 m., limestone rocks in *Quercus coccifera* maquis, 28 Apr. 1957, Davis & Hedge (D.27156b).

PROV. MARAŞ: Elbistan, 1100 m., north limestone rocks, 6 May 1957, Davis & Hedge (D.27658a).

PROV. URFA: 5 km. west of Urfa, 800 m., limestone cliffs, 17 May 1957, Davis & Hedge (D.28176a).

PROV. ÇORUH (Artvin), dist. Ardanuç: Kördevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404h).

Camptothecium lutescens (Hedw.) B.S.G.

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D.27157b).

Camptothecium phillipeanum (Spruce) Kindb.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on the ground in beech forest (metamorphic substrate), 19 Apr. 1957, Davis & Hedge (D.26820c).

PROV. MARAŞ: Koyunoluk Dağ between Maraş and Göksun, 1200–1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418d).

Camptothecium aureum B.S.G.

PROV. ADANA, dist. Pozanti: Büyücek, 1300 m., on limestone rocks, 3 Apr. 1957, Davis & Hedge (D.26326).

Brachythecium salebrosum (Web. & Mohr) B.S.G.

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D.27157a).

Brachythecium velutinum (Hedw.) B.S.G.

PROV. ADANA, dist. Pozanti: Büyücek, 1300 m., on limestone rocks, 3 Apr. 1957, Davis & Hedge (D.26323b).

Brachythecium velutinum aff.

PROV. MARDIN: Mardin Castle, 1200 m., limestone rocks, 20 May 1957, Davis & Hedge (D.28354e).

Scleropodium illecebrum (Hedw.) B.S.G.

PROV. İSTANBUL: Burgaz Ada (Antigoni), 5 m., on soil, in maquis, 24 Mar. 1957, Davis & Hedge (D.26212).

Eurychium swartzii (Turn.) Curn.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 700-800 m., metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D.26827a).

Eurychium zetterstedtii Störm.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405a).

Rhynchosstiella tenella (Dicks.) Limpr.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405 m.).

Pterigynandrum filiforme Hedw.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on the ground in beech forest (metamorphic substrate), 19 Apr. 1957, Davis & Hedge (D.26820b).

Pleurozium schreberi (Brid.) Mitt.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2100 m., igneous rocks at top of *Picea-Pinus* forest, 28 June 1957, Davis & Hedge (D.30404g).

Hypnum cupressiforme Hedw.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on the ground in beech forest (metamorphic substrate), 19 Apr. 1957, Davis & Hedge (D.26820d); *ibid.* 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D.26821c); *ibid.* 800 m., banks, 19 Apr. 1957, Davis & Hedge (D.26824a); *ibid.* 700-800 m., metamorphic rocks, 19 Apr. 1957, Davis & Hedge (D.26827b); dist. Osmahiye: Toprakkale, 80 m., shady basalt rocks in ravine, 20 Apr. 1957, Davis & Hedge (D.26896e).

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soguk Oluk, 1000-1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050).

PROV. KARS: southwest side of Kisir Dağ, between Kars and Ardahan, 2200 m., volcanic rock, 16 June 1957, Davis & Hedge (29646e).

Ctenidium molluscum (Hedw.) Mitt.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 1300 m., on the ground in beech forest (metamorphic substrate), 19 Apr. 1957, Davis & Hedge (D.26820e).

Rhytidadelphus triquetrus (Hedw.) Warnst.

PROV. ÇORUH (Artvin), dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405b); *ibid.* 1500 m., dominant ground moss in lower parts of *Picea* forest, 18 Aug. 1957, Davis & Hedge (D.32471).

Hylocomium splendens (Hedw.) B.S.G.

PROV. ÇORUH (Artvin): Yalnızçam Dağları, on west side of pass between Ardahan and Artvin, 2400 m., igneous rocks, 19 Aug. 1957, Davis & Hedge (D.32535c).

Targionia hypophylla L.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ above Haruniye, 800 m., moist bank, 19 Apr. 1957, Davis & Hedge (D.26822).

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D.27157c).

Reboulia hemispherica (L.) Raddi

PROV. HATAY, dist. Antakya (Amanus): Antakya near St. Peter's Church, 150–250 m., limestone rocks, 27 Apr. 1957, Davis & Hedge (D.27157h).

PROV. MARAŞ: Koyunoluk Dağ between Maraş and Göksun, 1200–1350 m., on limestone rocks in *Abies cilicica* forest, 4 May 1957, Davis & Hedge (D.27418c).

Marchantia polymorpha L.

PROV. ÇORUH (Artvin): Yalnızçam Dağları between Ardanuç and Kütül, 1400 m., wet meadow, 18 Aug. 1957, Davis & Hedge (D.32480).

Metzgeria conjugata Lindb.

PROV. HATAY, dist. Belen (Amanus): Karlık Tepe above Soğuk Oluk, 1000–1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050d).

Barbilophozia attenuata (Mart.) Loeske

PROV. ÇORUH (Artvin): Tiryal Dağ above Murgul, 1700 m., *Rhododendron-Picea* forest, 23 June 1957, Davis & Hedge (D.29963c).

Plagiochila asplenoides (L.) Dum.

PROV. ÇORUH (Artvin) dist. Ardanuç: Kordevan Dağ (Yalnızçam Dağları) at Kütül yayla, 2000 m., *Picea* forest, 28 June 1957, Davis & Hedge (D.30405h).

Porella platyphylla (L.) Lindb.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ, Haruniye, 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D.26821h).

PROV. HATAY, dist. Belen (Amanus): Karlik Tepe above Soğuk Oluk, 1000-1200 m., igneous rocks, 24 Apr. 1957, Davis & Hedge (D.27050c).

Frullania tamarisci (L.) Dum.

PROV. ADANA, dist. Bahçe (N. Amanus): Dumanlı Dağ, Haruniye, 1200 m., on metamorphic rocks in deep ravine dominated by beech, 19 Apr. 1957, Davis & Hedge (D.26821f).

Flora of Alberta (review)*.—The good type and clear lay-out of this book make an instant appeal; so too does the concentration on the plants themselves. There will no doubt be critics who think that too much has been sacrificed: genera and species are arranged alphabetically rather than in accordance with natural affinities; there are no indications of subgenera, although the generic concept adopted is usually a wide one; the indication of distribution is usually very generalized. Yet the book seems admirably adapted for its main purpose, the determination of the plants met by the student of plant life in the field.

In another edition Professor Moss might well come into line with the usage now generally accepted and retain the name *Physostegia* for the plant he calls *Dracocephalum* and revert to the latter name for the species he places under *Moldavica*. *Veronica salina* Schur should give way to *V. catenata* Pennell (cf. Burnett in *Watsonia*, i, 349-353: 1950).

B. L. BURTT.

* *Flora of Alberta*, by E. H. Moss. Toronto, University Press. London, Oxford University Press. 1959. Pp. vii + 546. Price: 80s.